ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Journal of Organometallic Chemistry 667 (2003) 209

Journal of Organometallic Chemistry

www.elsevier.com/locate/jorganchem

Author Index of Volume 667

Ackermann, M.N., 81
Albert, J., 192
Angharad Baber, R., 112
Arroyo, M., 120
Auner, N., 66

Bassindale, A.R., 66
Baumgartner, J., 149
Bennett, M.A., 8
Berlekamp, U.H., 167
Binnewies, M., 35
Bohra, R., 61
Bolaño, S., 103
Bravo, J., 103

Castro, J., 103
Clarke, M.L., 112
Colligan, A.S., 81
Císařová, I., 154

Dodonov, V.A., 176
Donnadieu, B., 126
Drake, J.E., 61

Esquius, G., 126

Fischer, H., 16
Frank, D., 149
Frediani, P., 197

García-Fontán, S., 103
Giannelli, C., 197
Granell, J., 192
Gupta, A., 61
Gushchin, A.V., 176
Guy Orpen, A., 112

Hayashida, T., 90
Herbst-Irmer, R., 24
Herrschaft, B., 66
Hitchcock, P.B., 73
Horáček, M., 154
Hu, Q.-M., 143
Hursthouse, M.B., 61

Ianelli, S., 197
Ikitake, N., 42

Iwata, A., 90

Jain, V.K., 61
Jeffery Leigh, G., 73
Jehle, H., 35
Jutzi, P., 167

Kayser, C., 149
Kim, C., 96
Kim, H., 96
Kliem, S., 24
Klingebiel, U., 24
Kopp, M.R., 8
Kubišta, J., 154
Kunai, A., 90
Kursky, Y.A., 176

Lee, D.-h., 53
Lee, J., 53
Li, F., 5
Li, X.-F., 185
Li, Y.-R., 185
Li, Y.-S., 185
Light, M.E., 61
Lugan, N., 126

Ma, C., 5
Mach, K., 154
Mahon, M.F., 1
Malisch, W., 35
Marschner, C., 149
Mathieu, R., 126
Miguel, D., 120
Mix, A., 167
Mochida, K., 135
Moiseev, D.V., 176
Moore, K.B., 81

Nakayama, Y., 42
Nanjo, M., 135
Neumann, B., 167
Noh, S.K., 53
Noltemeyer, M., 24

Ochi, T., 90
Ohshita, J., 90
Okuno, S., 42

Paredes, P., 120
Park, K., 96
Parker, D.J., 66
Petrusová, L., 154
Pons, J., 126

Ratcliffe, D.A., 112
Reiche, C., 24
Rifat, A., 1
Ros, J., 126

Salvini, A., 197
Sasage, T., 135
Satoh, Y., 42
Schmatz, S., 24
Schumacher, D., 35
Schwenzer, B., 16
Sharma, R.K., 61
Shavirin, A.S., 176
Söger, N., 35
Song, L.-C., 143
Stammler, H.-G., 167
Štěpnička, P., 154

Tavera, R., 192
Taylor, P.G., 66
Thomas-Wohlever, J.A., 81
Togrou, M., 73
Toyoshima, Y., 90

Villafañe, F., 120
Voit, C., 24

Wang, D., 5
Warren, K.J., 81
Weller, A.S., 1
Wenger, E., 8
Willis, A.C., 8
Wu, H., 143

Yáñez, R., 126
Yasuda, H., 42
Yin, H., 5
Yu, G.-A., 143

Zhu, W.-F., 143

Elsevier Science B.V.
PII: S0022-328X(03)00026-3

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Journal of Organometallic Chemistry 667 (2003) 211–214
Journal of Organometallic Chemistry
www.elsevier.com/locate/jorganchem

Subject Index of Volume 667

Alcoholysis
Polychlorinated metallo-siloxanes of iron, molybdenum and tungsten - structure of 1-[dicarbonyl(η^5-cyclopentadienyl)ferrio]-1,1,3,3,3-pentachlorodisiloxane, 35
Alkali-aminosilanolates
Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings, 24
Alkene complexes
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Alkenes
Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates, 176
Allenylidenes
Synthesis of Ru(II) complexes of the new 1-[(P-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes, 126
Aminosiloxanes
Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings, 24
ansa-Titanocenes
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Antimony(V)
Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates, 176
Arylation
Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates, 176
Aryne complex
Generation of nickel(0)–aryne and nickel(II)–biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of [Ni(2,2′-$C_6H_4C_6H_4$)(dcpe)] and C_2-hexabenzotriphenylene, 8

Benzyl-benzylidene-amine
On the mechanism of the cyclopalladation reaction of benzyl-benzylidene-amine with palladium(II) acetate in acetic acid, 192
Bridged dicyclopentadienyl ligands
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of [μ_3-$MeCCo_2Mo(CO)_8$]$_2$ [η^5-$C_5H_4C(O)\ CH_2$]$_2$, 143
Bromogermane
$PdCl_2$ and $NiCl_2$-catalyzed hydrogen–halogen exchange for the convenient preparation of bromo- and iodosilanes and germanes, 90
Bromosilane
$PdCl_2$ and $NiCl_2$-catalyzed hydrogen–halogen exchange for the convenient preparation of bromo- and iodosilanes and germanes, 90

Cage compound
Synthesis and characterization of alkylgermasesquioxanes, 135
ε-Caprolactone
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
Carbonyls
The first pyrazole molybdenum(0) complexes: *cis*-[$Mo(CO)_4$-$(Hdmpz)_2$] crystallizes as a N–H···OC hydrogen-bonded dimer, 120
Carbosilane
Diels–Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer, 96
Carbyne complexes
Alkynylcarbyne(bipyridine)dicarbonyl(triflouroacetato) complexes—synthesis and detection of reversible association in solution, 16
Catalysts
New neutral nickel(II) complexes bearing pyrrole-imine chelate ligands: synthesis, structure and norbornene polymerization behavior, 185
C–H activation
Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of [(η^4-C_6H_8)$Rh(PPh_3)_2$][*closo*-$CB_{11}H_6Br_6$], 1
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Clusters
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of [μ_3-$MeCCo_2Mo(CO)_8$]$_2$ [η^5-$C_5H_4C(O)\ CH_2$]$_2$, 143
Cobalt
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of [μ_3-$MeCCo_2Mo(CO)_8$]$_2$ [η^5-$C_5H_4C(O)\ CH_2$]$_2$, 143
Complexes
Ruthenium complexes with 1,1′-biisoquinoline as ligand. Synthesis and hydrogenation activity, 197
Concentration-dependence
Alkynylcarbyne(bipyridine)dicarbonyl(triflouroacetato) complexes—synthesis and detection of reversible association in solution, 16
Constrained geometry catalyst
Syntheses of dinuclear titanium constrained geometry complexes with polymethylene bridges and their copolymerization properties, 53
Co-ordination chemistry
Synthesis and transition metal chemistry of 'phosphomide' ligands: a comparison of the reactivity and electronic properties of diphenyl-*P*-perfluoro-octanoyl-phosphine, *P*-acetyl-diphenyl-

Elsevier Science B.V.
PII: S0022-328X(03)00024-X

phosphine and *P*-anisoyl-diphenylphosphine. X-ray crystal structure of [RhCp*($Ph_2PC(O)CH_3$)Cl_2], 112
Cross-coupling
Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates, 176
Crystal structure
Synthesis and crystal structure of a novel pentanuclear complex of tin (IV) with heterocyclic sulfur and nitrogen donor ligands, 5
Cyclohexene
Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of [(η^4-C_6H_8)Rh(PPh_3)$_2$][*closo*-$CB_{11}H_6Br_6$], 1
Cyclometallation
On the mechanism of the cyclopalladation reaction of benzylbenzylidene-amine with palladium(II) acetate in acetic acid, 192
Cyclotrimerisation
Generation of nickel(0)–aryne and nickel(II)–biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of [Ni(2,2′-$C_6H_4C_6H_4$)(dcpe)] and C_2-hexabenzotriphenylene, 8

Dehydrogenation
Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of [(η^4-C_6H_8)Rh(PPh_3)$_2$][*closo*-$CB_{11}H_6Br_6$], 1
Dehydrohalogenation
Generation of nickel(0)–aryne and nickel(II)–biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of [Ni(2,2′-$C_6H_4C_6H_4$)(dcpe)] and C_2-hexabenzotriphenylene, 8
Dendrimer
Diels–Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer, 96
Density functional calculations
Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings, 24
Denticity
Synthesis of titanium(IV) ferrocenylaminate complexes, 73
Diels–Alder
Diels–Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer, 96
Dihydrogen compounds
Rhenium pentahydride complexes: characterisation and protonation reactions. Crystal structure of $ReH_5L^1L^2$ ($L^1 = Ph_2PO(CH_2)_2OPPh_2$; $L^2 = P(OCH_3)_3$, $P(OCH_2CH_3)_3$), 103
2-(Dimethylphosphinomethyl)phenylsilanes
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
2-(Dimethylphosphinomethyl)phenylsilyl triflate
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
Dinuclear half-sandwich
Syntheses of dinuclear titanium constrained geometry complexes with polymethylene bridges and their copolymerization properties, 53

Ethylene/styrene copolymerization
Syntheses of dinuclear titanium constrained geometry complexes with polymethylene bridges and their copolymerization properties, 53

Ferrocenylaminate ligands
Synthesis of titanium(IV) ferrocenylaminate complexes, 73
Germasesquioxane
Synthesis and characterization of alkylgermasesquioxanes, 135
Germoxane
Synthesis and characterization of alkylgermasesquioxanes, 135

Hafnocene
Reactions of oligosilyl potassium compounds with Group 4 metallocene dichlorides, 149
Hemilabile ligands
Synthesis of Ru(II) complexes of the new 1-[(P-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes, 126
Homogeneous catalysis
Ruthenium complexes with 1,1′-biisoquinoline as ligand. Synthesis and hydrogenation activity, 197
Hydride compounds
Rhenium pentahydride complexes: characterisation and protonation reactions. Crystal structure of $ReH_5L^1L^2$ ($L^1 = Ph_2PO(CH_2)_2OPPh_2$; $L^2 = P(OCH_3)_3$, $P(OCH_2CH_3)_3$), 103
Hydroformylation
Synthesis and transition metal chemistry of 'phosphomide' ligands: a comparison of the reactivity and electronic properties of diphenyl-*P*-perfluoro-octanoyl-phosphine, *P*-acetyl-diphenylphosphine and *P*-anisoyl-diphenylphosphine. X-ray crystal structure of [RhCp*($Ph_2PC(O)CH_3$)Cl_2], 112
Hydrogenation
Ruthenium complexes with 1,1′-biisoquinoline as ligand. Synthesis and hydrogenation activity, 197
Hydrogen bonds
The first pyrazole molybdenum(0) complexes: *cis*-[$Mo(CO)_4$(Hdmpz)$_2$] crystallizes as a N–H···OC hydrogen-bonded dimer, 120

Infrared spectra
Alkynylcarbyne(bipyridine)dicarbonyl(triflouroacetato) complexes—synthesis and detection of reversible association in solution, 16
Insertion reaction
Generation of nickel(0)–aryne and nickel(II)–biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of [Ni(2,2′-$C_6H_4C_6H_4$)(dcpe)] and C_2-hexabenzotriphenylene, 8
Iodogermane
$PdCl_2$ and $NiCl_2$-catalyzed hydrogen–halogen exchange for the convenient preparation of bromo- and iodosilanes and germanes, 90
Iodosilane
$PdCl_2$ and $NiCl_2$-catalyzed hydrogen–halogen exchange for the convenient preparation of bromo- and iodosilanes and germanes, 90

L-Lactide
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
Living polymerizations
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42

Macrocycle
Synthesis and crystal structure of a novel pentanuclear complex of tin (IV) with heterocyclic sulfur and nitrogen donor ligands, 5
Maleimide
Diels–Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer, 96

Metalation
Polychlorinated metallo-siloxanes of iron, molybdenum and tungsten - structure of 1-[dicarbonyl(η^5-cyclopentadienyl)ferrio]-1,1,3,3,3-pentachlorodisiloxane, 35
Metallo-siloxane
Polychlorinated metallo-siloxanes of iron, molybdenum and tungsten - structure of 1-[dicarbonyl(η^5-cyclopentadienyl)ferrio]-1,1,3,3,3-pentachlorodisiloxane, 35
Methyl methacrylate
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
2-(Methylthiomethyl)phenylsilanes
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
2-(Methylthiomethyl)phenylsilyl triflate
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
Molybdenum
Alkynylcarbyne(bipyridine)dicarbonyl(triflouroacetato) complexes—synthesis and detection of reversible association in solution, 16
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of $[\mu_3$-$MeCCo_2Mo(CO)_8]_2$ $[\eta^5$-$C_5H_4C(O)\,CH_2]_2$, 143
The first pyrazole molybdenum(0) complexes: *cis*-$[Mo(CO)_4$-$(Hdmpz)_2]$ crystallizes as a N–H···OC hydrogen-bonded dimer, 120
Molybdenum complexes
Tetracarbonylmolybdenum complexes of 2-(phenylhydrazino)pyridine ligands. Correlations of spectroscopic data with pyridyl substituent effects, 81

Neodocene methyl
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
Neutral Ni(II) complexes
New neutral nickel(II) complexes bearing pyrrole-imine chelate ligands: synthesis, structure and norbornene polymerization behavior, 185
Nickel
Generation of nickel(0)–aryne and nickel(II)–biphenyldiyl complexes via in situ dehydrohalogenation of arenes. Molecular structures of $[Ni(2,2'$-$C_6H_4C_6H_4)(dcpe)]$ and C_2-hexabenzotriphenylene, 8
Nitrogen ligands
Ruthenium complexes with 1,1′-biisoquinoline as ligand. Synthesis and hydrogenation activity, 197
NMR
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66
Triorganoarsenic(V) compounds with internally functionalized oximes: synthetic and spectroscopic aspects of $[R_3As(Cl)L]$, $[R_3As(OH)L]$ and $[R_3AsL_2]$: crystal and molecular structure of $[Pr^i_3AsOH]^+Cl^-$, 61
Norbornene
New neutral nickel(II) complexes bearing pyrrole-imine chelate ligands: synthesis, structure and norbornene polymerization behavior, 185
Nuclear magnetic resonance
Tetracarbonylmolybdenum complexes of 2-(phenylhydrazino)pyridine ligands. Correlations of spectroscopic data with pyridyl substituent effects, 81
Nucleophilic substitution
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66

Oximes
Triorganoarsenic(V) compounds with internally functionalized oximes: synthetic and spectroscopic aspects of $[R_3As(Cl)L]$, $[R_3As(OH)L]$ and $[R_3AsL_2]$: crystal and molecular structure of $[Pr^i_3AsOH]^+Cl^-$, 61

Palladium-catalyzed
Pd-catalyzed C-arylation of unsaturated compounds with pentavalent triarylantimony dicarboxylates, 176
Palladium(II) acetate
On the mechanism of the cyclopalladation reaction of benzylbenzylidene-amine with palladium(II) acetate in acetic acid, 192
Pendant double bonds
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Pentacoordinate
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66
Pentanuclear complex
Synthesis and crystal structure of a novel pentanuclear complex of tin (IV) with heterocyclic sulfur and nitrogen donor ligands, 5
2-(Phenylhydrazino)pyridine complexes
Tetracarbonylmolybdenum complexes of 2-(phenylhydrazino)pyridine ligands. Correlations of spectroscopic data with pyridyl substituent effects, 81
Phosphines
Synthesis and transition metal chemistry of 'phosphomide' ligands: a comparison of the reactivity and electronic properties of diphenyl-*P*-perfluoro-octanoyl-phosphine, *P*-acetyl-diphenylphosphine and *P*-anisoyl-diphenylphosphine. X-ray crystal structure of $[RhCp^*(Ph_2PC(O)CH_3)Cl_2]$, 112
Phosphites
Rhenium pentahydride complexes: characterisation and protonation reactions. Crystal structure of $ReH_5L^1L^2$ ($L^1 = Ph_2PO$-$(CH_2)_2OPPh_2$; $L^2 = P(OCH_3)_3$, $P(OCH_2CH_3)_3$), 103
P–N ligands
Synthesis of Ru(II) complexes of the new 1-[(P-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes, 126
Polymethylene bridge
Syntheses of dinuclear titanium constrained geometry complexes with polymethylene bridges and their copolymerization properties, 53
Preparations X-ray structures
Synthesis of titanium(IV) ferrocenylaminate complexes, 73
Pyrazoles
The first pyrazole molybdenum(0) complexes: *cis*-$[Mo(CO)_4$-$(Hdmpz)_2]$ crystallizes as a N–H···OC hydrogen-bonded dimer, 120

Rhenium
Rhenium pentahydride complexes: characterisation and protonation reactions. Crystal structure of $ReH_5L^1L^2$ ($L^1 = Ph_2PO$-$(CH_2)_2OPPh_2$; $L^2 = P(OCH_3)_3$, $P(OCH_2CH_3)_3$), 103
Rhodium
Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of $[(\eta^4$-$C_6H_8)Rh(PPh_3)_2][closo$-$CB_{11}H_6Br_6]$, 1

Rhodium complexes
Synthesis and transition metal chemistry of 'phosphomide' ligands: a comparison of the reactivity and electronic properties of diphenyl-*P*-perfluoro-octanoyl-phosphine, *P*-acetyl-diphenyl-phosphine and *P*-anisoyl-diphenylphosphine. X-ray crystal structure of [RhCp*($Ph_2PC(O)CH_3$)Cl_2], 112
Ruthenium
Ruthenium complexes with 1,1′-biisoquinoline as ligand. Synthesis and hydrogenation activity, 197
Synthesis of Ru(II) complexes of the new 1-[(P-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes, 126

Samarocene methyl
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
Silicon
Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings, 24
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66
Polychlorinated metallo-siloxanes of iron, molybdenum and tungsten - structure of 1-[dicarbonyl(η^5-cyclopentadienyl)ferrio]-1,1,3,3,3-pentachlorodisiloxane, 35
Siloxane
Diels–Alder reaction of anthracene and *N*-ethylmaleimide on the carbosilane dendrimer, 96
Silylanions
Reactions of oligosilyl potassium compounds with Group 4 metallocene dichlorides, 149
Silyl transition metal compounds
Reactions of oligosilyl potassium compounds with Group 4 metallocene dichlorides, 149
Si-pentacoordination
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
Structural correlation
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66
Structure elucidation
Aminosilanolates as precursors of four- and eight-membered (SiNSiO)-rings, 24
Structures
Synthesis and characterization of alkylgermasesquioxanes, 135

Titanium
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Titanium(IV) complexes
Synthesis of titanium(IV) ferrocenylaminate complexes, 73
Titanocene
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
Trialkylarsenic(V)
Triorganoarsenic(V) compounds with internally functionalized oximes: synthetic and spectroscopic aspects of [$R_3As(Cl)L$], [$R_3As(OH)L$] and [R_3AsL_2]: crystal and molecular structure of [$Pr^i_3AsOH]^+Cl^-$, 61
Trimethylsilyl substituted samarocene methyl
Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, ε-caprolactone and L-lactide, 42
Tungsten
Alkynylcarbyne(bipyridine)dicarbonyl(triflouroacetato) complexes—synthesis and detection of reversible association in solution, 16
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of [μ_3-$MeCCo_2Mo(CO)_8]_2$ [η^5-$C_5H_4C(O)\ CH_2]_2$, 143

Vinylic polymerization
New neutral nickel(II) complexes bearing pyrrole-imine chelate ligands: synthesis, structure and norbornene polymerization behavior, 185
Vinylidenes
Synthesis of Ru(II) complexes of the new 1-[(P-diphenyl)-2-phosphinoethyl]-3,5-dimethylpyrazole ligand and study of their reactivity toward terminal alkynes, 126

X-ray
Triorganoarsenic(V) compounds with internally functionalized oximes: synthetic and spectroscopic aspects of [$R_3As(Cl)L$], [$R_3As(OH)L$] and [R_3AsL_2]: crystal and molecular structure of [$Pr^i_3AsOH]^+Cl^-$, 61
X-ray crystallography
Reduction-induced double bond coordination and multiple C–H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl *ansa*-chain, 154
X-ray diffraction
Synthesis and characterization of alkylgermasesquioxanes, 135
X-ray structure
Dehydrogenation of cyclohexenes to cyclohexadienes by $[(PPh_3)_2Rh]^+$. The isolation of an intermediate in the dehydrogenation of cyclohexane to benzene: crystal structure of [(η^4-C_6H_8)$Rh(PPh_3)_2$][*closo*-$CB_{11}H_6Br_6$], 1
2-(Dimethylphosphinomethyl)- and 2-(methylthiomethyl)phenyl silicon compounds: higher coordination with soft donors, 167
Synthesis and characterization of organotransition metal double μ_3-$RCCo_2M$ (M = Mo, W) cluster complexes containing bridged dicyclopentadienyl ligands. Crystal structure of [μ_3-$MeCCo_2Mo(CO)_8]_2$ [η^5-$C_5H_4C(O)\ CH_2]_2$, 143
X-ray study
Modelling S_N2 nucleophilic substitution at silicon by structural correlation with X-ray crystallography and NMR spectroscopy, 66

Zirconocene
Reactions of oligosilyl potassium compounds with Group 4 metallocene dichlorides, 149